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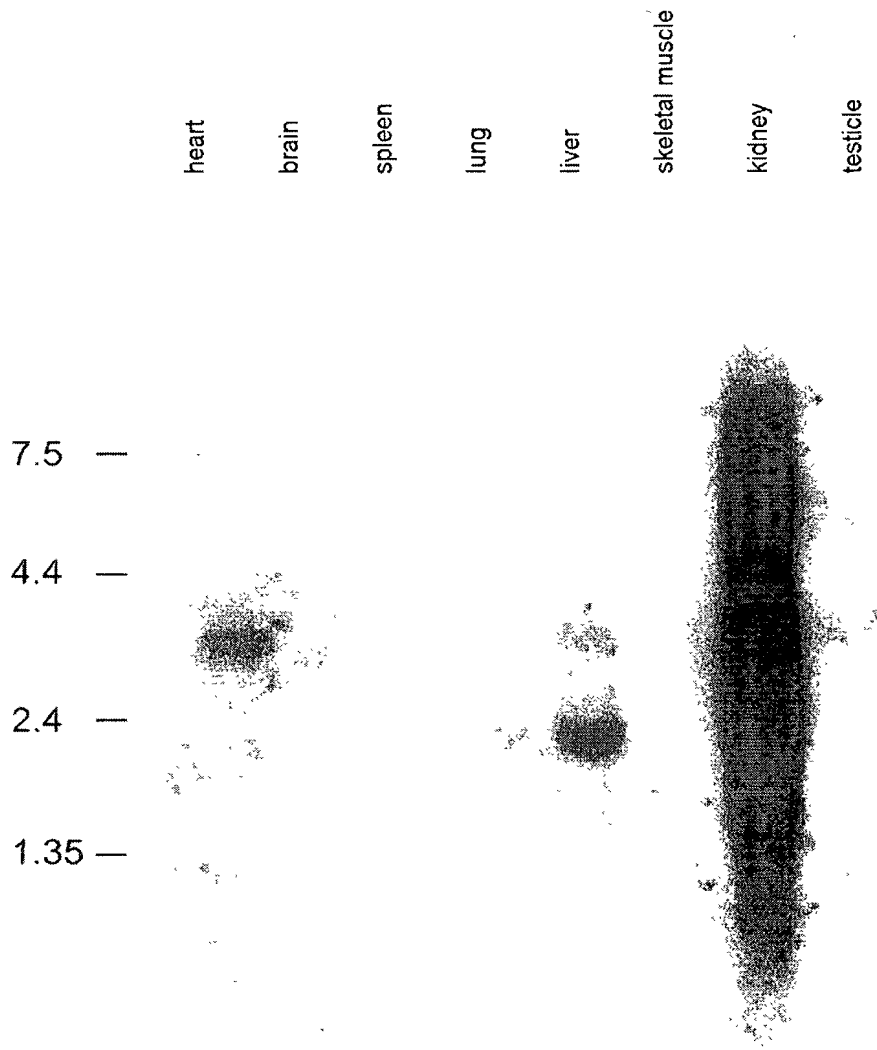


Fig. 1b

Fig. 2a (I)

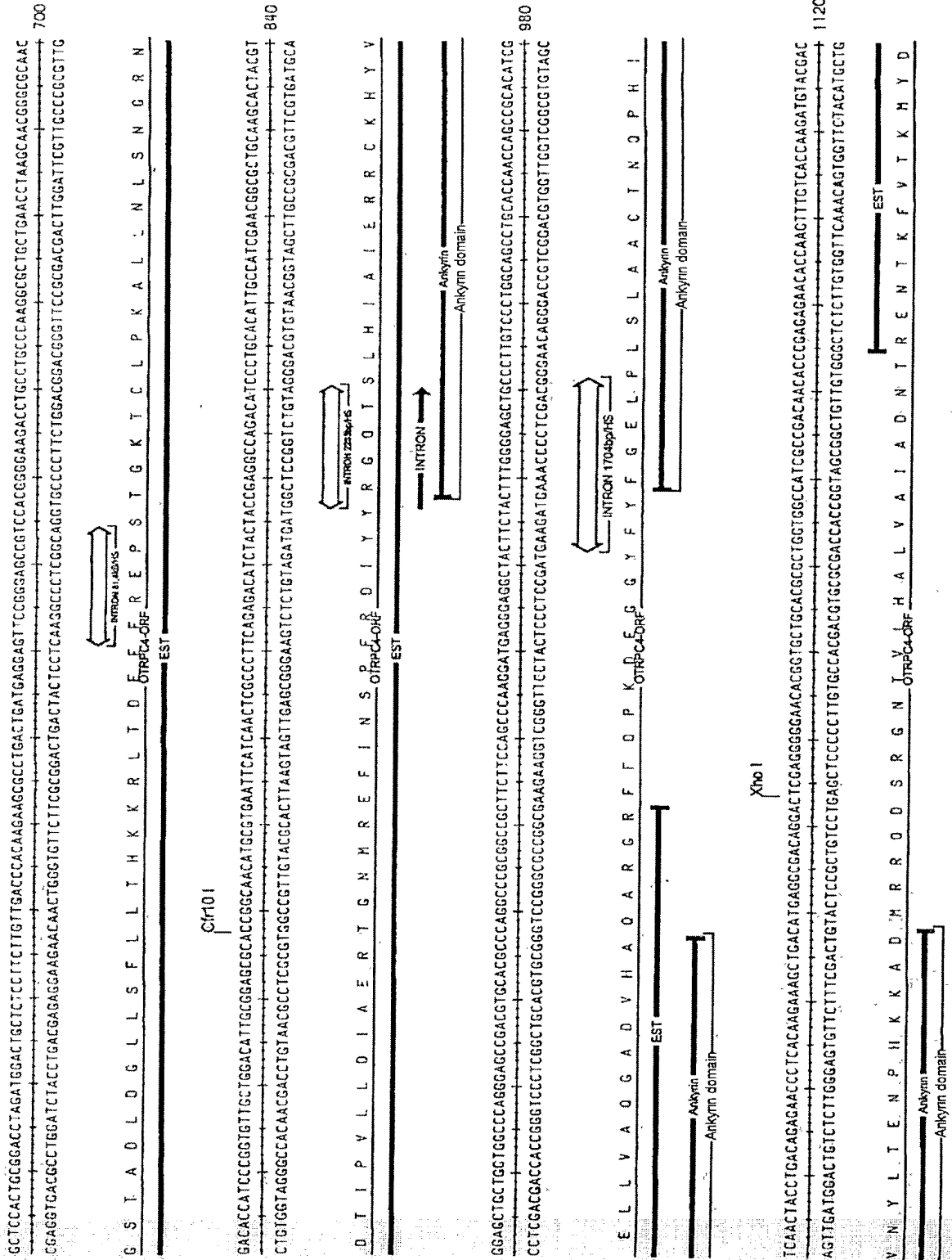


Fig. 2a (II)



Fig. 2a (IV)

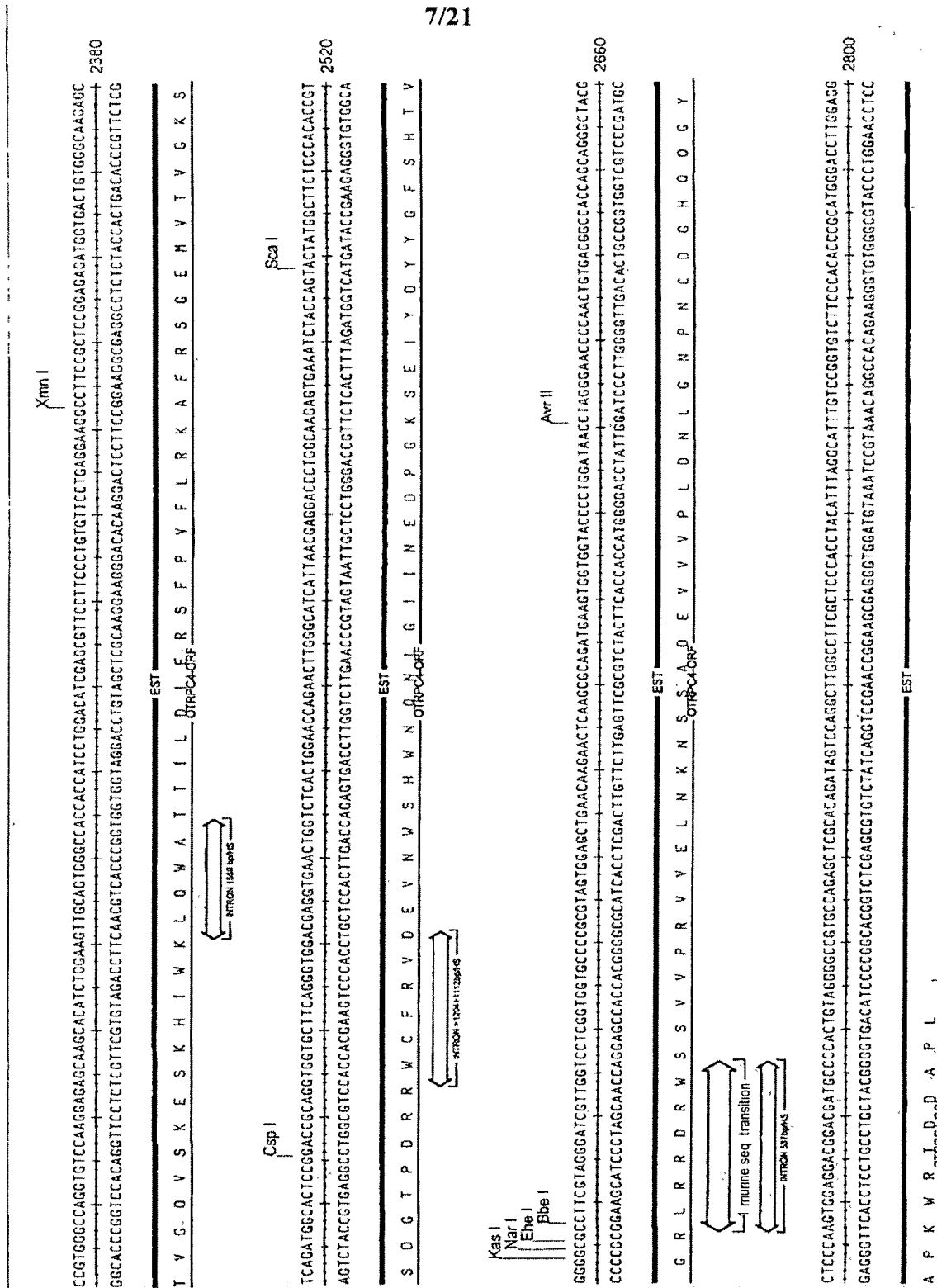


Fig. 2a (V)

2380 2520 2660 2800

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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGGGCGGCGC
↑
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCGCGCGCG

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$$\begin{pmatrix} -\frac{1}{2} & 0 & 0 \\ 0 & \frac{1}{2} & 0 \\ 0 & 0 & \frac{1}{2} \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix} = \begin{pmatrix} -\frac{1}{2} & 0 & 0 \\ 0 & \frac{1}{2} & 0 \\ 0 & 0 & \frac{1}{2} \end{pmatrix} \quad \text{and} \quad \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix} \begin{pmatrix} -\frac{1}{2} & 0 & 0 \\ 0 & \frac{1}{2} & 0 \\ 0 & 0 & \frac{1}{2} \end{pmatrix} = \begin{pmatrix} -\frac{1}{2} & 0 & 0 \\ 0 & \frac{1}{2} & 0 \\ 0 & 0 & \frac{1}{2} \end{pmatrix}$$

Fig. 2a (VI)

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Mouse kidney, sagittal section



Fig. 3a

Mouse kidney, horizontal section

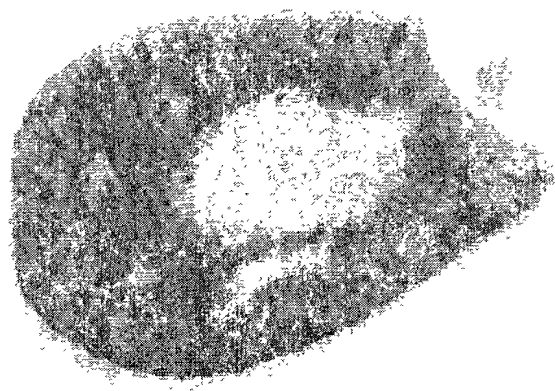


Fig. 3b

Fig. 3c

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Mouse kidney, sagittal section

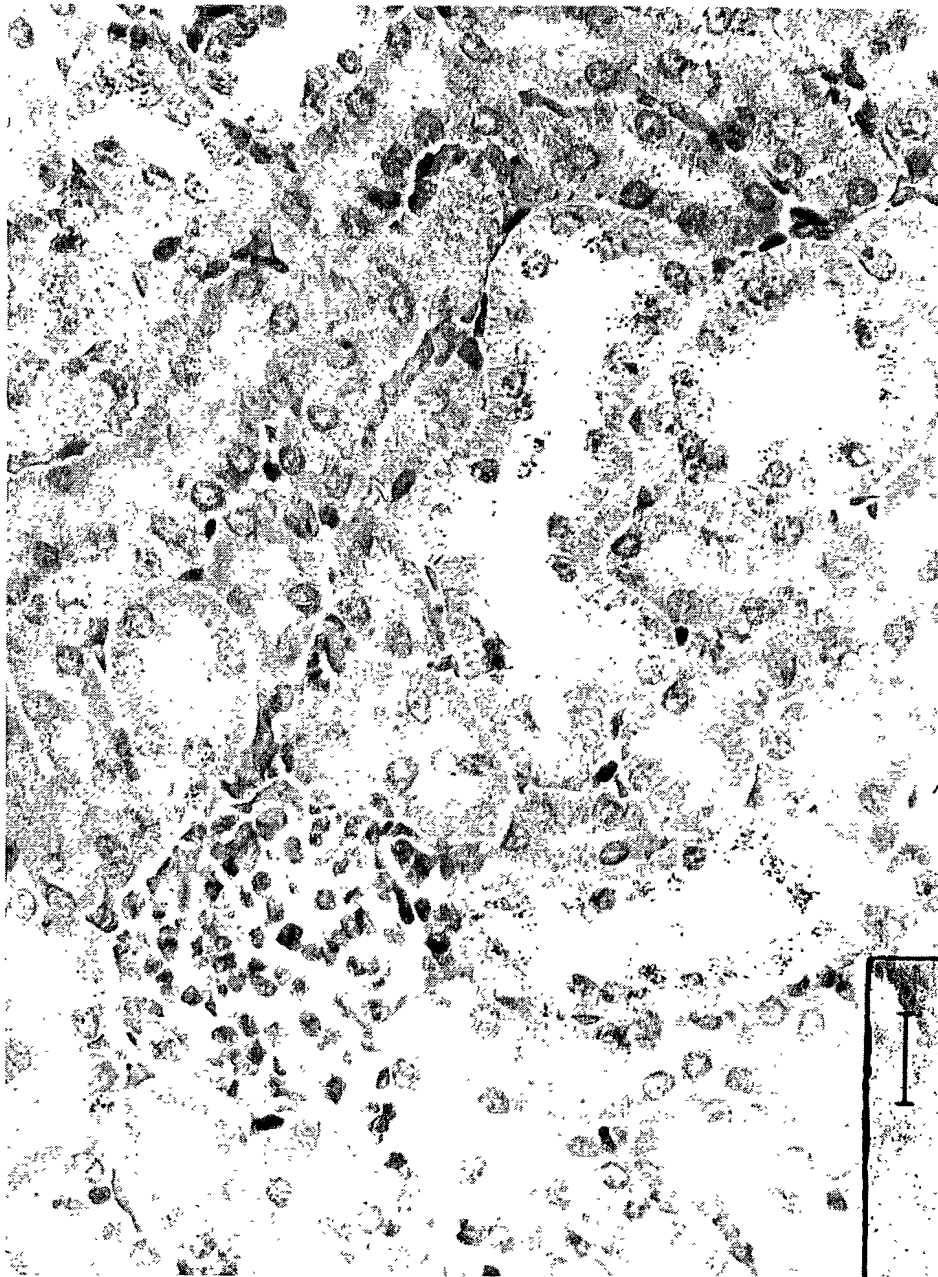


Fig. 3d

Mouse brain, sagittal section

10

Fig. 3g

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Mouse, choroid plexus

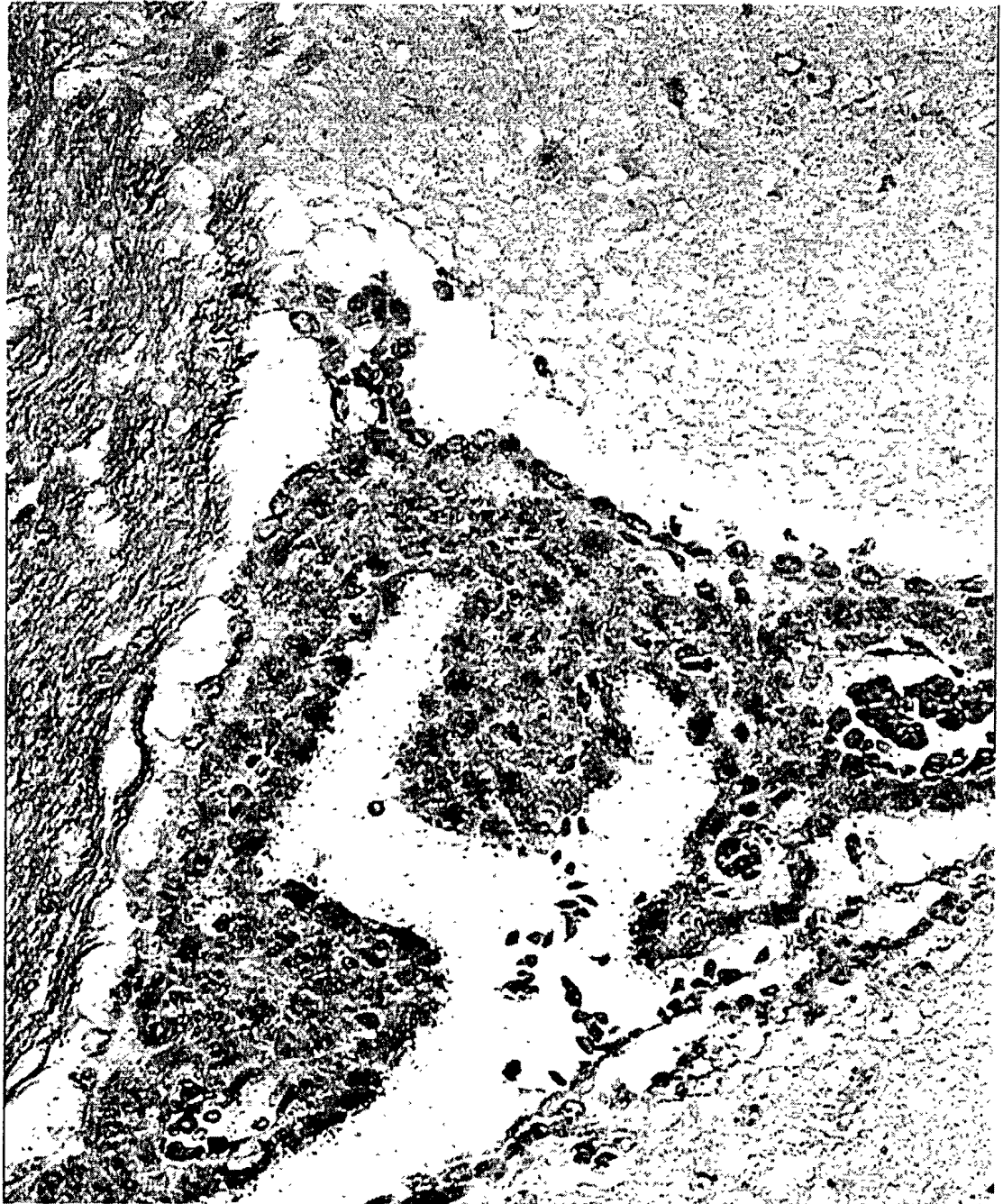


Fig. 3h

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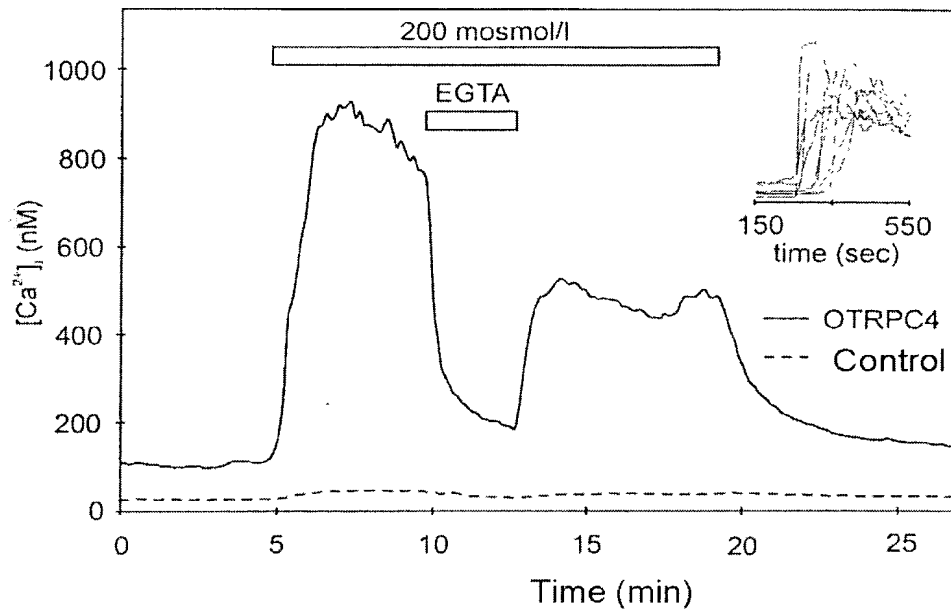


Fig. 4

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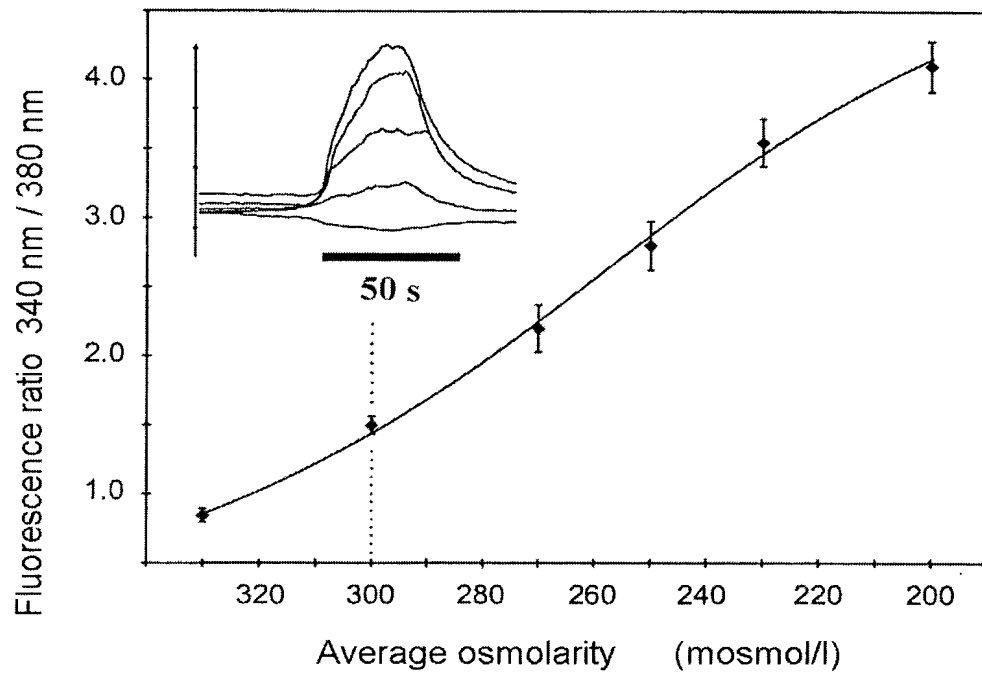


Fig. 5

Fig. 6

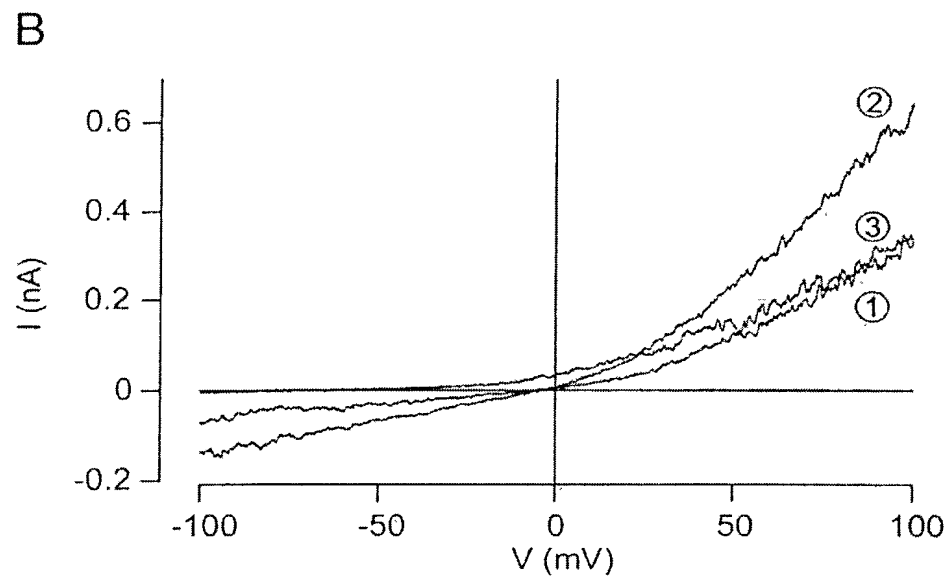
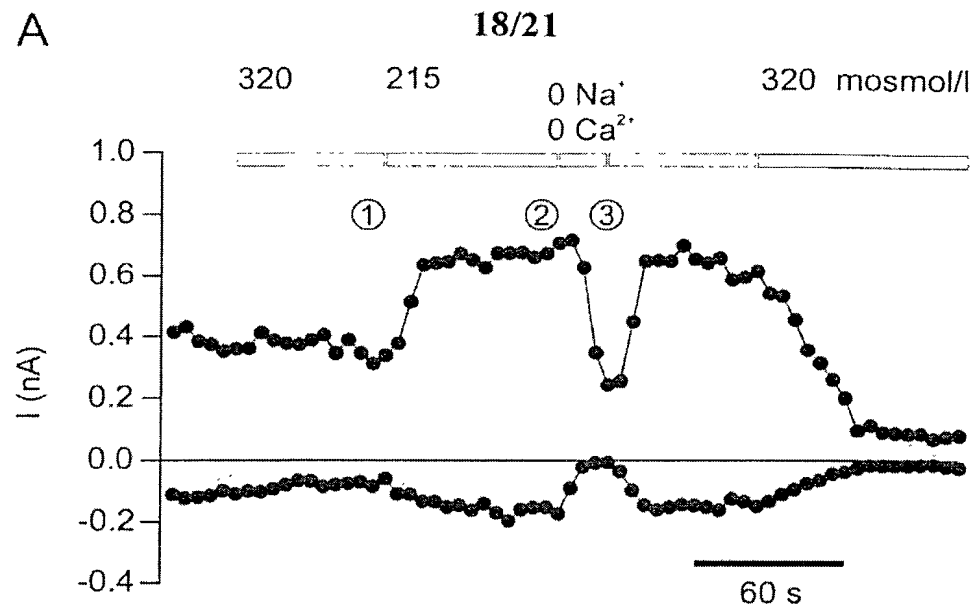


Fig. 7

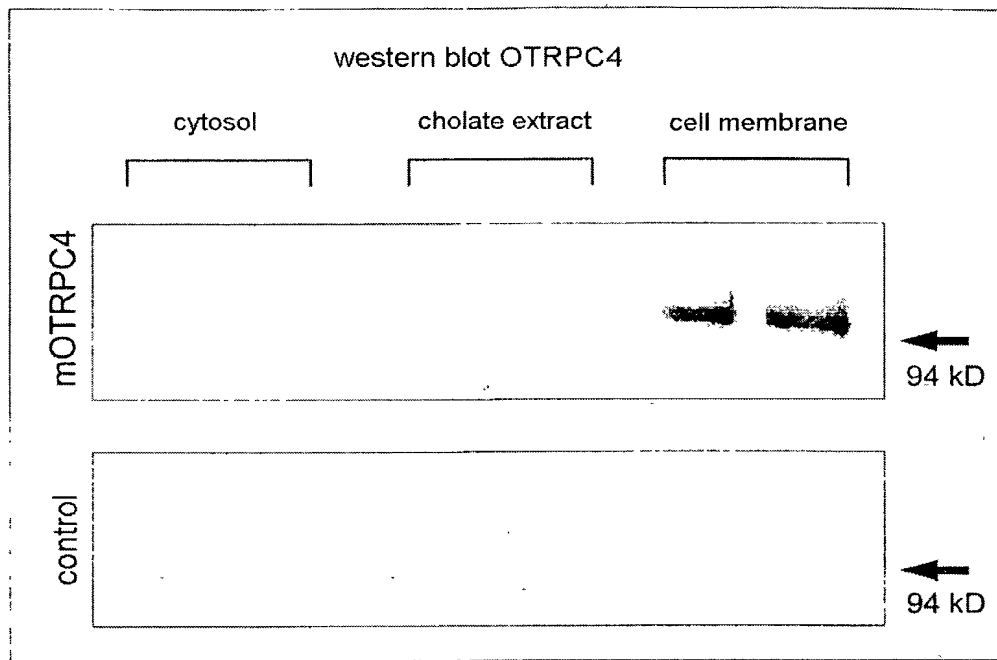


Fig. 8

Calcium dependent changes in fluorescence observed with Fura-2 loaded
plexus choroideus cells

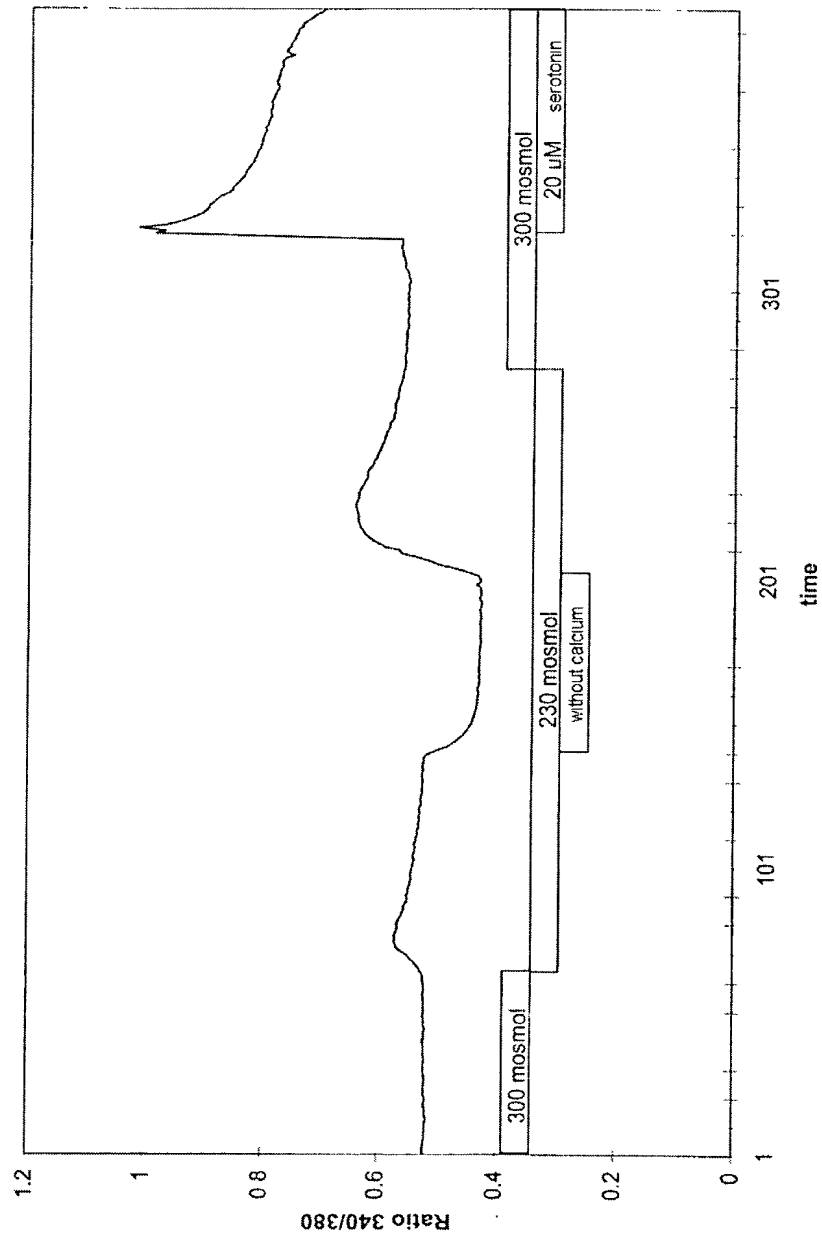
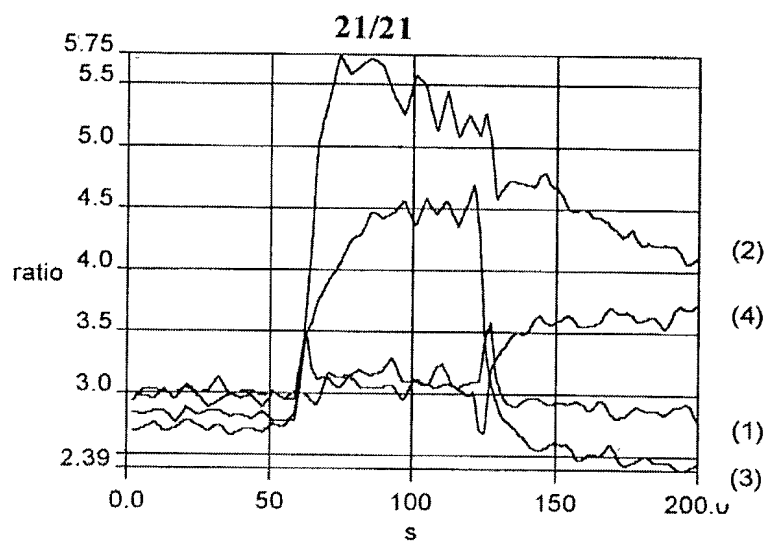


Fig. 9



- _____ (1) Control
- _____ (2) Ionomycin (2 μ M) EGTA
- _____ (3) hypotonic solution (220 mosmol/l) EGTA
- _____ (4) LOE908(100 μ M) hypotonic solution (220 mosmol/l)

Fig. 10